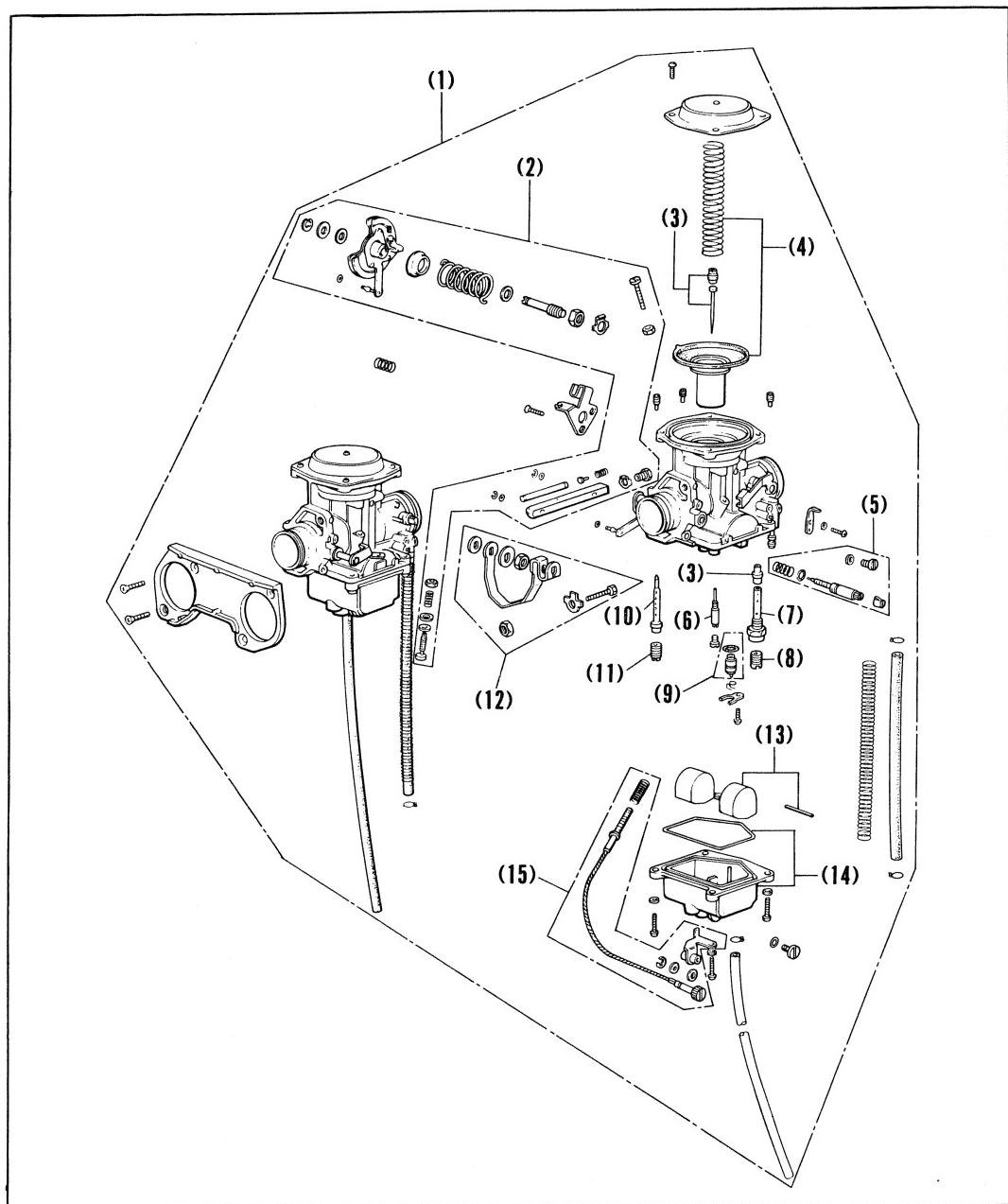


## 10. CARBURETOR

**Fig. 4-103**

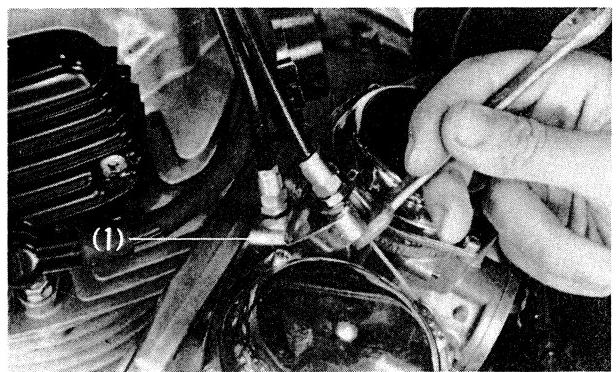
(1) Carburetor assy.  
 (2) Link set  
 (3) Jet needle set  
 (4) Vacuum piston set  
 (5) Screw set A  
 (6) Slow jet  
 (7) Needle jet holder  
 (8) Main jet  
 (9) Float valve set  
 (10) Main nozzle  
 (11) Primary main jet  
 (12) Connector joint set  
 (13) Float set  
 (14) Float chamber set  
 (15) Screw set B



### Removal

To remove the carburetor, refer to the "Engine removal" item (page 32.)

1. Disconnect the throttle cables from the carburetor stay.



**Fig. 4-104** (1) Carburetor stay

**Disassembly**

1. Remove the four screws (1) and remove the top. Then remove the coil spring and vacuum piston.

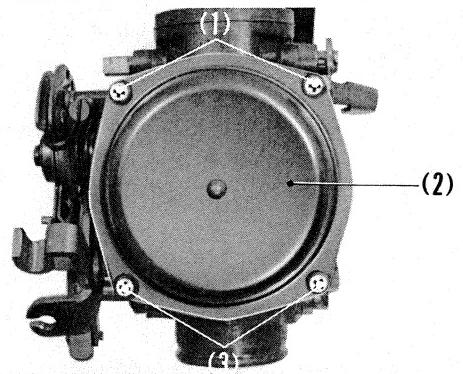
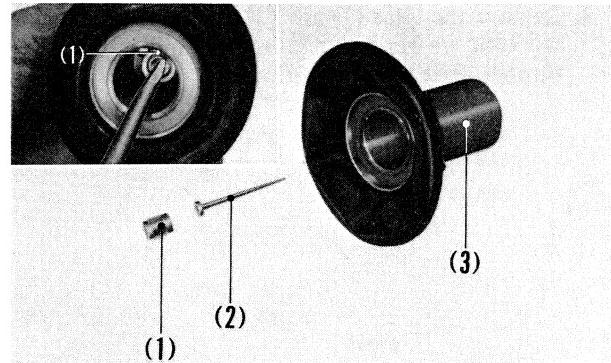


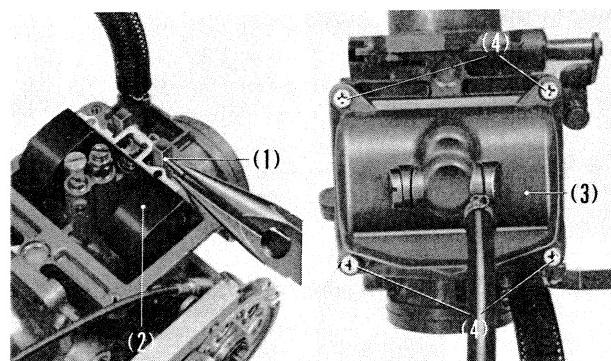
Fig. 4-109 (1) Screws (2) Top

2. Remove the needle jet screw and then the jet needle from the vacuum piston.

Fig. 4-110 (1) Needle jet screw  
(2) Jet needle  
(3) Vacuum piston

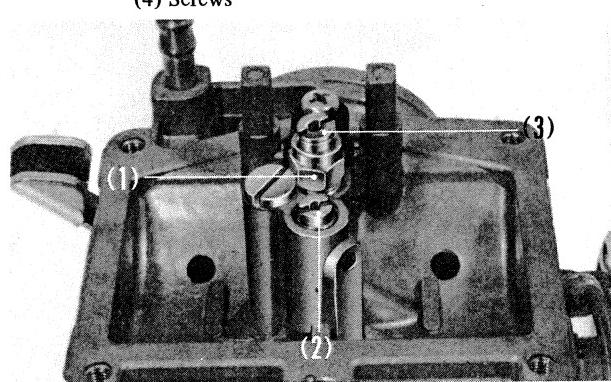
3. Remove the screws (4) and remove the float chamber body.
4. Pull out the arm pin and remove the float.

\* The float valve is removed together with the float. Take care not to drop it.

Fig. 4-111 (1) Float arm pin  
(2) Float  
(3) Float chamber body  
(4) Screws

5. Remove the primary main jet and main nozzle. Remove the secondary main jet.

Remove the needle jet holder and jet needle.

Fig. 4-112 (1) Needle jet holder  
(2) Primary main jet  
(3) Secondary main jet

6. Remove the screw (1) and remove the valve seat plate and valve seat.

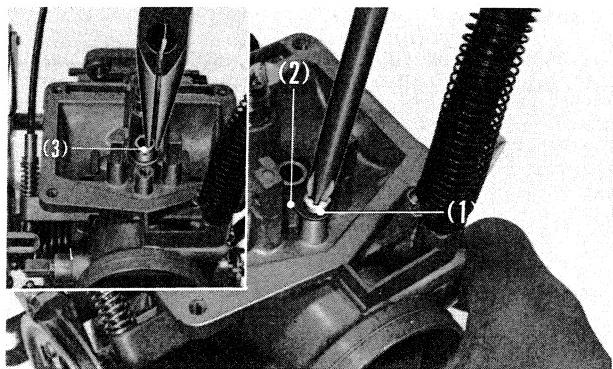


Fig. 4-113 (1) Screw  
 (2) Valve seat plate  
 (3) Valve seat

7. Remove the clips (1) and (2). Straighten the locking lugs of the lock washer and remove the holding bolt. Remove the throttle lever together with the adjusting holder.

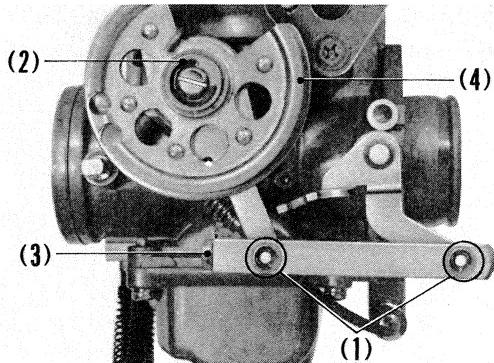


Fig. 4-114 (1), (2) Clips  
 (3) Holding bolt  
 (4) Throttle lever  
 (5) Adjusting holder

### Inspection

- Blow the jets to check for clogging.
- Check the float valve for proper operation.
- Check the sliding surface of the vacuum piston for scores or scratches.
- Check the jet needle for wear, scores, or scratches.

### Carburetor Setting Table

	CB250	CB360	CL360	
Setting mark	744B	745B	747B	
Main jet	Primary	# 68		
	Secondary	# 95	# 68	
Air jet	Primary	# 150		
	Secondary	# 50		
Slow jet	# 35			
Slow air jet	# 85			
Float height	18.5 mm (0.75 in.)			

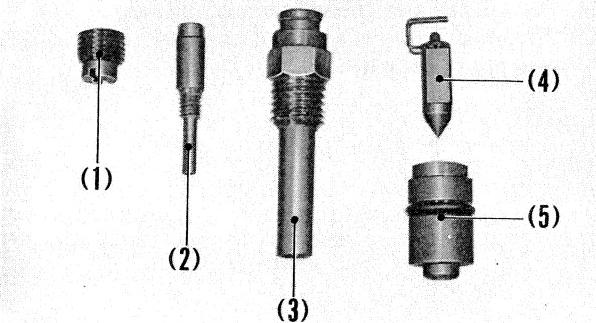


Fig. 4-115 (1) Primary main jet  
 (2) Slow jet  
 (3) Needle jet holder  
 (4) Float valve  
 (5) Valve seat

### Assembly

To assemble, reverse the disassembly procedures paying attention to the following:

1. Install the float valve after attaching the special ring in position.
2. Take care not to install the valve seat set plate upside down.

3. Use a longer screw for the left carburetor float chamber body tightening screw (2).

4. Correctly set the vacuum piston into position and then install the top.

### Float level adjustment

Hold the carburetor with its main bore in a vertical position, so the float arm tang will just close the float valve, without compressing the spring loaded plunger in the end of the valve. Measure float height with a float level gauge.

Float height (distance between the carburetor body and the opposite edge of the float) should be 18.5 mm (0.73 in.) when the float valve just closes.

If adjustment is needed, carefully bend the float arm tang toward or away from the float valve until the specified float height is obtained. Replace any damaged or leaking float.

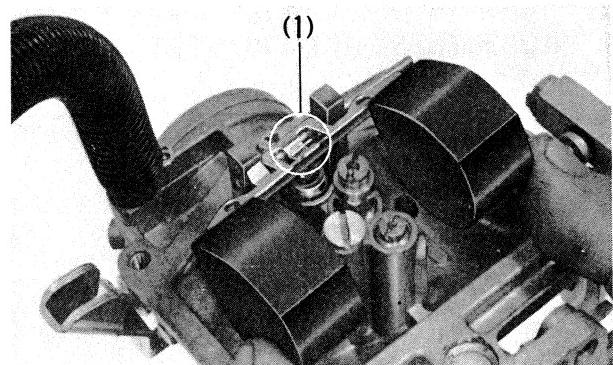


Fig. 4-116 (1) Special ring

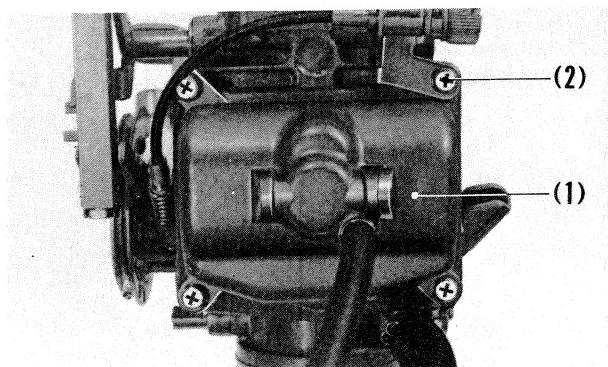


Fig. 4-117 (1) Float chamber body  
(2) Screw (longer)

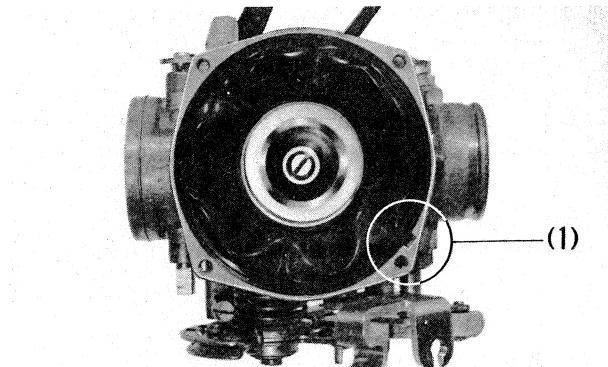


Fig. 4-118 (1) Matching point

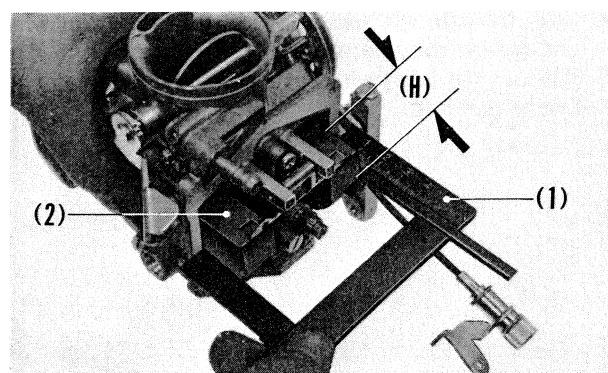


Fig. 4-119 (1) Float level gauge  
(2) Float

2. Straighten the locking lugs of the lock washer and loosen the bolt (2). Then remove the connector joint from the left carburetor.
3. Remove the four screws and remove the carburetor assembly from the stay plate.

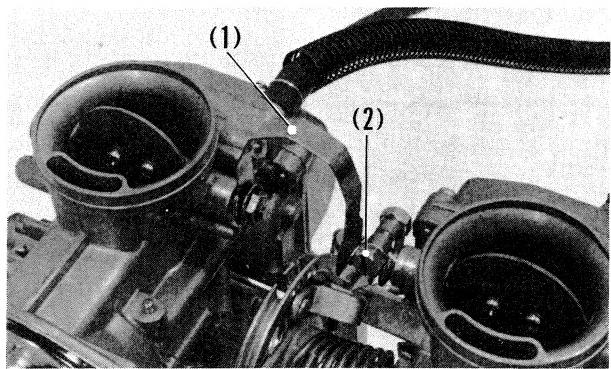


Fig. 4-105 (1) Connector joint  
(2) Bolt

### Installation

To install, reverse the removal procedures.

1. Connect the right and left carburetors by the connector joint. Tighten the lock nut and bend the locking lugs of the lock washer securely.

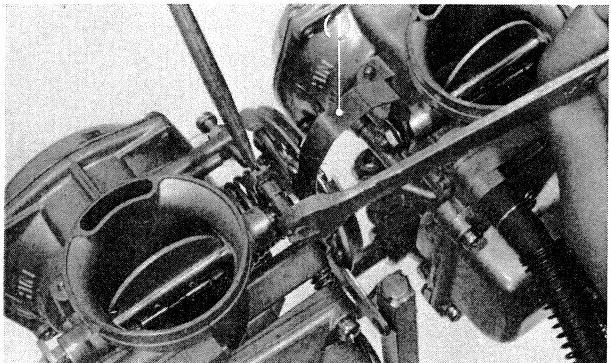


Fig. 4-106 (1) Connector joint

2. Set the throttle lever to the stop screw (1) as shown.
3. Install the coil spring in the position shown and install the carburetor assembly to the stay plate.

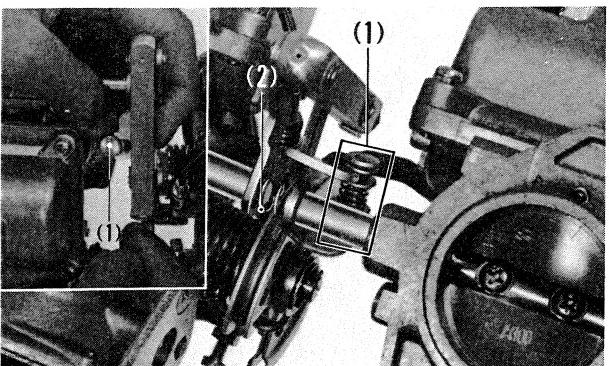


Fig. 4-107 (1) Stop screw  
(2) Spring

4. Connect the throttle cables with the throttle fully closed. Screw the "closed" side cable in the lower part of the throttle lever. Insert the "open" side cable into the upper part of the lever, adjust the length and lock with the lock nut.

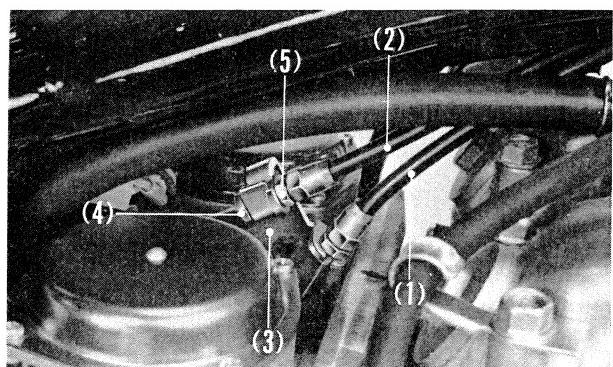


Fig. 4-108 (1) "Closed" side cable (4) Lock nut  
(2) "Open" side cable (5) Adjusting nut  
(3) Throttle lever